

DECLARATION AND POWER OF ATTORNEY

(Original Application)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

NOVEL GENES ENCODING PROTEINS HAVING DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER USES

the specification of which is attached hereto and/or was filed on June 14, 1999, as Application No.09/333,159.

I hereby state that I have reviewed and understand the contents of the aboveidentified specification, including the claims, as amended by any amendment referred to herein.

I acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

FOREIGN PRIORITY APPLICATION(S)

			Priority Claimed _ [] Yes [] No
(Number)	(Country)	(Day/month/year filed)	
			_ []Yes[]No
(Number)	(Country)	(Day/month/year filed)	

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional patent application(s) listed below and have also identified below any

United States provisional pater application(s) having a filing date before and of the application on which priority is claimed:

PROVISIONAL PRIORITY PATENT APPLICATION(S)

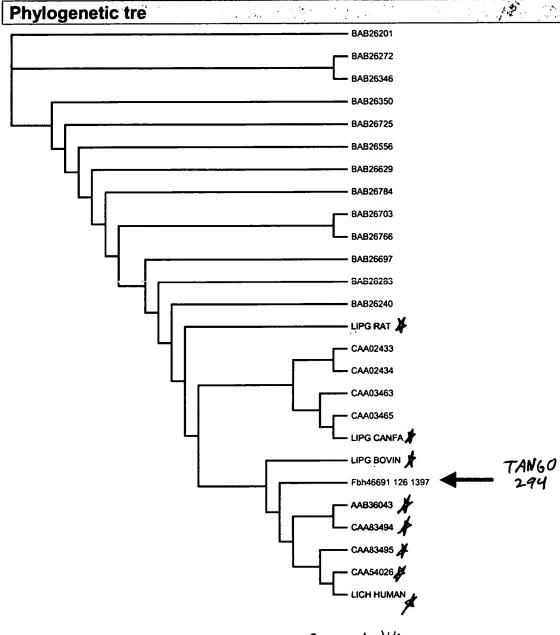
	Priority Claimed [X] Yes [] No
(Application No.)	(Filing Date)
And I hereby	appoint the registered attorneys and agents associated with AKIN,
GUMP, STRAUSS, HAUE	R & FELD, L.L.P., Customer No. 000570, as my attorneys or
agents with full power of sub	estitution and revocation, to prosecute this application and to transact
all business in the Patent and	Trademark Office connected therewith.
Address all co	orrespondence to Customer No. 000570, namely, AKIN, GUMP,
STRAUSS, HAUER & FEI	D, L.L.P., One Commerce Square, 2005 Market Street, Suite 2200,
Philadelphia, Pennsylvania 1	9103. Please direct all communications and telephone calls to Gary
D. Colby, Ph.D., J.D. at 215	-965-1285.
I hereby decla	re that all statements made herein of my own knowledge are true
and that all statements made	on information and belief are believed to be true; and further that
these statements were made	with the knowledge that willful false statements and the like so
made are punishable by fine	or imprisonment, or both, under Section 1001 of Title 18 of the
United States Code and that s	such willful false statements may jeopardize the validity of the
application or any patent issu	ing thereon.
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(LOOSE NOTA	RIAL CERTIFICATE ATTACHED)

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Inventor's Signature	
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Inventor's Signature _	John D. Sharp John D. Sharp Mov. 7, 7001	
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Full name of fourth joint inventor	M. 11B. μ/η/ει Thomas \$. Barnes	
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	T.B.	

CALIF RNIA ALL-PURPOS**ER**ACKNOWLEDGMENT COPY OF PAPERS State of CALIFORNIA ORIGINALLY FILED County of SANDIEGO personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal. Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. **Description of Attached Document** Title or Type of Document: <u>DELLARATION AND POWER OF ATTORNEY</u> Document Date: 13-17-01 Number of Pages: 3 Signer(s) Other Than Named Above: Capacity(ies) Claimed by Signer(s) Signer's Name: _____ Signer's Name: □ Individual Individual ☐ Corporate Officer □ Corporate Officer Title(s): _ Title(s): _ □ Partner — □ Limited □ General ☐ Partner — ☐ Limited ☐ General ☐ Attornev-in-Fact ☐ Attorney-in-Fact □ Trustee □ Trustee ☐ Guardian or Conservator ☐ Guardian or Conservator ☐ Other: _____ Top of thumb here Top of thumb here ☐ Other: _____ Signer Is Representing: Signer Is Representing:



see Key on next page for identities, for proteins.

Full BLAST R port

Program: BLASTP 2.0MP-WashU [07-Jun-2001] [sol2.6-ultra-ILP32F64 17:41:00 07-Jun-2001]

Query= Fbh46691_126_1397 - Import - vector trimmed (423 letters)

Database: protot 692,327 sequences; 220,281,154 total letters. References:

- Altschul, Stephen F., Warren Gish, Webb Miller, Eugene W. Myers, and David J. Lipman (1990). Basic local alignment search tool. <u>J. Mol. Biol. 215: 403-10</u>.
- Altschul et al. (1997), Gapped BLAST and PSI-BLAST: a new generation of protein database search programs. <u>Nucl. Acids Res. 25: 3389-3402</u>.
- Program Descriptions: BLAST2 | WU-BLAST2 | Help Manual HTML formatting provided by the Bioperl Blast module.

HTML formatting provided by the <u>Bioperl Blast module</u> .		
	High	Probability
Sequences producing High-scoring Segment Pairs:	Score	P(N) N
Doquetion producting the state of the state		
emb CAA54026 (X76488) sterol esterase [Homo sapiens] gb	1290	2.8e-131 1
emb CAA83495 (Z31690) lysosomal acid lipase [Homo sapien	1290	2.8e-131 1
sp P38571 LICH HUMAN LYSOSOMAL ACID LIPASE/CHOLESTERYL ES	1289	3.5e-131 1
gb AAB36043 (S81497) lysosomal acid lipase; LAL [Rattus	1220	<u>7.3e-124</u> 1
emb CAA83494 (Z31689) lysosomal acid lipase [Mus musculus]	1196	<u>2.5e-121</u> 1
SD P04634 LIPG RAT TRIACYLGLYCEROL LIPASE, LINGUAL PRECUR	1166	3.8e-118 1
SD P80035 LIPG CANFA TRIACYLGLYCEROL LIPASE, GASTRIC PREC	1154	7.2e-117 1
emb CAA03463 (A57756) unnamed protein product [unidentif	1144	8.2e-116 1
	1144	8.2e-116 1
emb CAA03465 (A57760) unnamed protein product [unidentif	1142	1.3e-115 1
sp 029458 LIPG BOVIN TRIACYLGLYCEROL LIPASE, PREGASTRIC P		
emb CAA02433 (A39301) unnamed protein product [unidentif	1135	7.4e-115 1
emb CAA02434 (A39303) unnamed protein product [unidentif	1135	<u>7.4e-115</u> 1
dbj <u>BAB26283</u> (AK009431) putative [Mus musculus]	1134	<u>9.4e-115</u> 1
dbj BAB26556 (AK009875) putative [Mus musculus]	1134	<u>9.4e-115</u> 1
dbj BAB26697 (AK010093) putative [Mus musculus]	1134	9.4e-115 1
dbj BAB26725 (AK010139) putative [Mus musculus]	1134	9.4e-115 1
dbj BAB26201 (AK009300) putative [Mus musculus] dbj BAB	1133	1.2e-114 1
dbj BAB26272 (AK009413) putative [Mus musculus] dbj BAB	1133	1.2e-114 1
	1131	2.0e-114 1
	1129	3.2e-114 1
dbj BAB26629 (AK009990) putative [Mus musculus]		
dbj BAB26346 (AK009537) putative [Mus musculus]	1128	4.1e-114 1
dbj BAB26240 (AK009359) putative [Mus musculus]	1127	5.2e-114 1
dbj BAB26350 (AK009544) putative [Mus musculus]	1126	6.6e-114 1
dbj <u>BAB26784</u> (AK010231) putative [Mus musculus]	1126	<u>6.6e-114</u> 1
dbj <u>BAB26703</u> (AK010103) putative [Mus musculus]	1125	<u>8.5e-114</u> 1
dbj <u>BAB26359</u> (AK009560) putative [Mus musculus]	1124	<u>1.1e-113</u> 1
dbj BAB26651 (AK010026) putative [Mus musculus]	1124	<u>1.1e-113</u> 1
dbj BAB26287 (AK009437) putative [Mus musculus]	1122	<u>1.8e-113</u> 1
SP P07098 LIPG HUMAN TRIACYLGLYCEROL LIPASE, GASTRIC PREC	1119	<u>3.7e-113</u> 1
dbj BAB26733 (AK010148) putative [Mus musculus]	1119	3.7e-113 1
dbj BAB26704 (AK010106) putative [Mus musculus]	1116	7.6e-113 1
dbi BAB26746 (AK010173) putative [Mus musculus]	1115	9.7e-113 1
emb CAA29414 (X05997) gastric lipase precursor [Homo sap	1111	2.6e-112 1
emb CAA03464 (A57758) unnamed protein product [unidentif	1006	3.4e-101 1
emb CAA94824 (Z70780) contains similarity to Pfam domain	757	8.4e-75 1
gb AAK68537 AC024835 3 (AC024835) Hypothetical protein Y5		
	753	2.2e-74 1
	727	1.3e-71 1
emb CAB01973 (Z79696) predicted using Genefinder-Similar		
dbj BAB31766 (AK019504) putative [Mus musculus]	715	2.4e-70 1
gb AAC69088 (AF022976) Hypothetical protein R11G11.14 [C	706	<u>2.1e-69</u> 1
gb AAC48051 (U64849) Contains similarity to Pfam domain:	693	<u>5.1e-68</u> 1
emb CAC27244 (AX068259) unnamed protein product [Homo sa	685	<u>3.6e-67</u> 1
sp 046108 LIP3_DROME LIPASE 3 PRECURSOR (EC 3.1.1). em	663	<u>7.7e-65</u> 1
emb CAB02896 (Z81055) Similarity to Human triacylglycero	653	<u>8.8e-64</u> 1
qb AAF52971 (AE003629) CG6113 gene product [Drosophila m	649	<u>2.3e-63</u> 1
gb AAF52985 (AE003629) CG17099 gene product [Drosophila	639	2.7e-62 1
gb AAF58163 (AE003811) CG8093 gene product [Drosophila m	629	3.1e-61 1
gb AAC62229 (AF063014) yolk polypeptide 2 [Plodia interp	623	1.3e-60 1
gb AAF56528 (AE003754) CG5990 gene product [Drosophila m	576	2.2e-55 1
dbj <u>BAA02091</u> (D12521) egg-specific protein precursor [Bo	567	1.1e-54 1
abj <u>panozozi</u> (bizazi) egg-specific process precursor (bo	50,	